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| SEARCHED |                                       |          |       |
|----------|---------------------------------------|----------|-------|
| Class    | Sub.                                  | Date     | Exmr. |
| 435      | 6<br>7.1<br>7.2<br>526<br>7.3a<br>7.8 | 12/31/02 | h     |
| 536      | 120                                   | ✓        | h     |
| 435      | 808<br>2872                           | ✓        | ✓     |
| 436      | 512<br>525                            | ✓        | ✓     |
| 422      | 55<br>56<br>82.11<br>119              | ✓        | ✓     |
| Search   | update                                | 2/1/03   | h     |
| Search   | updated                               | 11/1/03  | h     |
| update   |                                       | 8/2/05   | h     |
| Search   | update                                | 3/4/05   | h     |

| INTERFERENCE SEARCHED |          |          |       |
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| Class                 | Sub.     | Date     | Exmr. |
| Search                | update   | 2/1/03   | h     |
| Search                | update   | 11/1/03  | h     |
| update                | deletion | 8/3/05   | h     |
| Search                | update   | 12/25/05 | h     |

| SEARCH NOTES<br>(INCLUDING SEARCH STRATEGY)  |                     |            |
|--|---------------------|------------|
| FAST<br>S27C<br>inventive search   | Date<br>12/31/02    | Exmr.<br>h |
| search updated   | 2/1/03              | h          |
| search updated   | 11/1/03             | h          |
| Consistent with<br>Chm's Chm<br>For claim 1<br>device<br>other than<br>cantilevers | 12/28/02<br>10/6/04 | h          |
| searching update   | 3/4/05              | h          |
| <del>Search</del>  |                     |            |
| Search update  | 12/25/05            | h          |

(RIGHT OUTSIDE)

# Search Notes



Application/Control No.

09/712,795

Examiner

Jacob Cheu

Applicant(s)/Patent under Reexamination

CRAIGHEAD ET AL.

Art Unit

1641

## SEARCHED

| Class | Subclass | Date     | Examiner |
|-------|----------|----------|----------|
| 73    | 105      | 10/14/05 | J        |
| 250   | 306      | ↓        | ↓        |
|       | 307      | ↓        | ↓        |
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## INTERFERENCE SEARCHED

| Class          | Subclass | Date     | Examiner |
|----------------|----------|----------|----------|
| Search by date |          | 10/25/05 | J        |
|                |          |          |          |
|                |          |          |          |
|                |          |          |          |

## SEARCH NOTES (INCLUDING SEARCH STRATEGY)

|   | DATE     | EXMR |
|---|----------|------|
| Consult with primaries  | 10/14/05 | J    |
| ① Art unit 2878 <u>Luu, Thanh</u>   | ↓        | ↓    |
| ② Art unit 2856 <u>Larkin, Daniel</u>   | ↓        |      |
| ③ Art unit 2855 <u>Cygan, Michael</u>   | ↓        |      |
| Feature: "light reflected by cantilever and interferometer substrate"   |          |      |
| Consulted with Daniel Larkin (primary)  |          |      |
| On issue of the feature above   | 10/14/05 |      |
| Larkin indicates that Fig 10 in the specification is a novel embodiment   |          |      |
| however, the instant rejected claim 1 does not recite clearly and distinctly about <del>the</del> <u>common</u> with the scope of |          |      |
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